

In the claims:

Please amend claims 1-25 as follows:

1. (currently amended) A system of tracking individuals divided into one or more flocks, ~~wherein comprising:~~ at least one individual flock leader in each flock, ~~from now on called flock leader,~~ being provided with a first electronic device (1) including a position tracker (2) and radio communication equipment, ~~characterized in that~~ the radio communication equipment includes at least a first transceiver (3) operating in a public radio communication network, and a second transceiver (4) operating in a short distance radio system, at least one other individual belonging to a flock being provided with the second electronic device (6), said second electronic device (6) including at least a third transceiver (7) also operating in the short distance radio system and being arranged to communicate with the second transceiver (4) of said radio communication equipment, each second electronic device being arranged to transmit at least an identification code uniquely identifying said second device to a first electronic device present in the flock through the short distance radio system, thereby indicating the presence of the associated individual in a flock.

2. (currently amended) A system as claimed in claim 1 ~~characterized in further comprising~~ a system controller arranged to communicate with the flock leader(s) of each flock through the public radio communication network managing the system and storing system information and information regarding all registered individuals of the system including at least the identity of each individual, to which flock each individual currently belongs, an indication of which individuals being the flock leader(s) of each flock and a public radio communication network address of all the flock leader(s) of the system.

3. (currently amended) A system as claimed in claim 1 ~~or 2,~~
~~characterized in that wherein~~ the transmission of at least an
identification code uniquely identifying the respective
individuals to the flock leader(s) of the flock is
accomplished periodically.

4. (currently amended) A system as claimed in claim 1 ~~, 2~~
~~or 3, characterized in that wherein~~ the first electronic device
also includes a memory and a processor for storing at least
the identities of the individuals currently associated with
the corresponding flock.

5. (currently amended) A system as claimed in ~~any of the~~
~~preceding claims, characterized in that claim 1 wherein~~ each
electronic device is provided with sensors sensing data
regarding the condition of each individual.

6. (currently amended) A system as claimed in claim 5,
~~characterized in that 4 wherein~~ the data is transmitted from
the individuals to the associated flock leader together with
the identification code and stored in the memory of the
respective first electronic device.

7. (currently amended) A system as claimed in ~~one of the~~
~~claims 2 - 6, characterized in that claim 2 wherein~~ the system
controller includes an application interface allowing a third
party or a user of the system to fetch data regarding the
individuals.

8. (currently amended) A system as claimed in ~~one of the~~
~~claims 2 - 7, characterized in that claim 2 wherein~~ when an
individual roams from a first flock to a second flock, the
system controller is updated so that the information regarding
the flock belonging of the individual is changed from the
first flock to the second flock.

9. (currently amended) A system as claimed in ~~one of the claims 2 -- 8, characterized in that~~ claim 2 wherein an alarm is activated for an individual when a predefined time period since last reception of data from the individual to the flock leader of the individual's associated flock has elapsed and no other flock leader of the system has received data from the individual within the same time period.

10. (currently amended) A system as claimed in claim 9 ~~,characterized in that~~ wherein the alarm initiates sending of an e-mail or a short message to a person responsible for the individual for which the alarm is activated.

11. (currently amended) A system as claimed in ~~any of the preceding claims, characterized in that~~ claim 1 wherein the public radio communication network is a GSM, GPRS, UMTS or WLAN network and the public radio communication network address is a telephone number or an IP address.

12. (currently amended) A system as claimed in ~~any of the preceding claims, characterized in that~~ claim 1 wherein the position tracker is a GPS receiver.

13. (currently amended) A system as claimed in ~~any of the preceding claims, characterized in that~~ claim 1 wherein the position tracker obtains its information from the public radio communication network.

14. (currently amended) A system as claimed in ~~any of the preceding claims, characterized in that~~ claim 1 wherein the short distance radio system is a Bluetooth® system or a system operating in the ISM frequency bands or other open frequency bands like 433mHz.

15. (currently amended) A system as claimed in ~~any of the preceding claims, characterized in that~~ claim 1 wherein the individuals are animals.

16. (currently amended) A system as claimed in claim 15[[,]]
~~characterized in that~~ wherein the second electronic device is
formed as a collar or a light-weight earmark attached to a
respective ear of each animal.

17. (currently amended) A system as claimed in ~~any of the~~
~~preceding claims, characterized in that~~ claim 1 wherein first
electronic devices act as mobile base stations in a dynamic
piconet structure of moving coverage areas limited by the
coverage areas of the second transceivers of the respective
first electronic devices.

18. (currently amended) A method for tracking individuals
divided into one or more flocks, comprising: ~~characterized in~~
~~to provide~~ providing at least one individual flock leader in
each flock, ~~called the flock leader,~~ with a first electronic
device ~~(1)~~, said first electronic device ~~(1)~~ including a
position tracker ~~(2)~~, a first transceiver ~~(3)~~ operating in a
public radio communication network, and a second transceiver
~~(4)~~ operating in a short distance radio system, ~~to provide and~~
providing at least one other individual belonging to
a flock with a second electronic device ~~(6)~~, said second
electronic device ~~(6)~~ including a third transceiver ~~(7)~~ also
operating in the short distance radio system, to transmit from
each second electronic device ~~(6)~~ at least an identification
code uniquely identifying said second electronic device ~~(6)~~ to
said first electronic device ~~(1)~~ present in the flock through
the short distance radio system, thereby indicating the
presence of the associated individual in a flock.

19. (currently amended) A method as claimed in claim ~~19~~, ~~characterized in to communicate~~ 18 further comprising communicating from said first electronic device ~~(1)~~ present in each flock with a system controller through the public radio communication network, said system controller managing the system and storing system information and information regarding all registered individuals of the system including at least the identity of each individual, to which flock each individual currently belongs, an indication of which individuals being the flock leader(s) of each flock and a public radio communication network address of all the flock leader(s) of the system.

20. (currently amended) A method as claimed in claim 18 ~~or 19~~, ~~characterized in to transmit~~ further comprising transmitting periodically at least an identification code uniquely identifying the respective individuals to the first electronic device worn by flock leader(s) of the flock.

21. (currently amended) A method as claimed in claim 18 ~~, 19 or 20~~, ~~characterized in that~~ wherein the first electronic device ~~(1)~~ is storing at least the identities of the individuals currently associated with the corresponding flock.

22. (currently amended) A method as claimed in ~~any of the preceding claims~~, ~~characterized in that~~ claim 18 wherein each second electronic device ~~(6)~~ is sensing data regarding the condition of each individual, transmitting said data to the associated first electronic device ~~(1)~~, whereupon the data is stored in a memory in said first electronic device.

23. (currently amended) A method as claimed in ~~one of the claims 19 - 22, characterized in that~~ claim 19 wherein when an individual roams from a first flock to a second flock, the system controller is updated so that the information regarding the flock belonging of the individual is changed from the first flock to the second flock.

24. (currently amended) A method as claimed in ~~one of the claims 19 - 23, characterized in that~~ claim 19 wherein an alarm is activated for an individual when a predefined time period since last reception of data from the individual to the flock leader of the individual's associated flock has elapsed and no other flock leader of the system has received data from the individual within the same time period.

25. (currently amended) A method as claimed in claim 24 ~~characterized in that~~ wherein the alarm initiates sending of an e-mail or a short message to a person responsible for the individual for which the alarm is activated.